

15TH ANNUAL SYMPOSIUM
Chemical & Pharmaceutical Structure Analysis

Where Technology and Solutions Meet



**Transforming Drug Discovery & Development Through Innovation:
Past, Present and Future**

October 1 - 4, 2012
Sheraton Bucks County
Langhorne, PA





Program Chair

Joanna Pols
Merck



Plenary Lecture

Lisa A. Shipley
Merck

Poster Session Chairs

Jim Stephenson
RTI International

Matthew Szapacs
GlaxoSmithKline

Tracie Williams
*Centers for Disease Control
and Prevention*

Doug Zhang
Bristol-Myers Squibb

Vendor Session Chairs

Mark Hayward
Active Ingredient Technologies

Ragu Ramanathan
Bristol-Myers Squibb

History

This annual meeting began in 1998 and was the first industry-led event to complement academic-based meetings and address the specific needs of industry researchers. The program highlights current industry trends and relevant topics. The broad-based support has allowed the meeting to evolve into a premier industry-led event that is dedicated to promoting awareness of issues and needs associated with research and development.

Goals

The goal of CPSA is to provide in-depth review of innovative technology and industry practices through open discussion of industry-related issues and needs. The program will highlight speakers and sessions that provide real-world experiences with new technologies and critical insights into current issues and future needs. Education and specialized training are the foundation of all CPSA events.

Format

The meeting features a unique format to allow scientists to openly share their comprehensive perspectives on industry-related issues and needs. First-hand experiences with specific applications and technologies are openly discussed.

Symposia Feature

Industry Issues & Needs · Analysis Strategies · Performance Benchmarks

Roundtables Feature

Commercial Technology · Mainstream Applications · Analysis Trends

Colloquium Series

The CPSA Colloquium Series is held in parallel to the Symposia sessions on Tuesday, October 2, and Wednesday, October 3, at the Sheraton Bucks County Hotel. A session on Regulatory Compliance will be chaired by Chad Briscoe of PRA International, and Robyn Rouryck of Genentech; a session on Innovation in Regulated Bioanalysis will be chaired by Shane Needham of Alturas Analytics, and Naidong Weng of Janssen. The goal of this event will be to provide attendees with an opportunity to:

- Further enhance the specialized training from the CPSA short courses; and
- Provide focus on industrial activities related to regulatory issues and industrial workflows

Short Courses Feature

Practical Industry Applications · Fundamentals
Real-World Examples · Emerging Methods and Techniques

Short Courses – Monday, October 1st 8:30 am - 4:30 pm

Method Development for LC/MS: Traditional Approaches and Emerging Trends

Instructors: Roger N. Hayes, Cetero Research; Shane R. Needham, Alturas Analytics

This practical course on HPLC method development for LC/MS covers the specifics of how sample preparation and HPLC methods are developed for interfacing to ESI and APCI. The course discusses the importance of HPLC when interfaced with mass spectrometry including the HPLC separation of undetected matrix components, isomers and labile metabolites. The development of HPLC methods for LC/MS for use in qualitative and quantitative analysis throughout drug discovery and drug development are presented.

Targeted Metabolomics: The Art & Science of Measuring Drug Efficacy

Instructors: Mark J. Hayward, Lundbeck Research USA; Ken Lewis, OpAns

Integrated HPLC and MS approaches for high throughput analysis have become standard practice in a pre-clinical drug discovery setting. Successful support strategies often provide a blend of high throughput methodologies with appropriate resources (tools and personnel). This course will target the “bread and butter” functions of discovery medicinal chemistry support. Real-world experiences with method development and analytical support will be discussed.

Analysis of Peptides and Proteins: Sample Preparation to Identification and Quantitation

Instructors: Nalini Sadagopan, Agilent Technologies; Gary A. Valaskovic, New Objective; Nathan Yates, University of Pittsburgh

Within the last decade, nanoscale liquid chromatography-tandem mass spectrometry (nLC-MS/MS) has revolutionized the identification of proteins and peptides in biological matrices. The technology has developed from being a purely qualitative tool for (global) proteomics to a quantitative method suitable for peptide/protein biomarker validation.

Assessment of Oral Bioavailability in Preclinical Species and Human: Impact of Physicochemical, Biopharmaceutical and Physiological Factors

Instructor: Ayman El-Kattan, Pfizer

Poor oral bioavailability is one of the leading causes of compound failure in preclinical and clinical development. Compounds with poor oral bioavailability have low plasma exposure and tend to demonstrate high inter-individual variability, which can limit their therapeutic application. Poor oral bioavailability in preclinical species does not necessarily translate into poor human oral bioavailability.

Self Innovation

Instructor: Lucinda Cohen, Merck

Designed to equip course attendees with tools no technical training course can provide, Self Innovation is a highly interactive exploration of human dynamics. Taught by an experienced scientist/manager, this course will provide you with the tools to move beyond the stagnation and frustration caused by organizational politics and change. The goal is to help each person develop coping strategies and build better relationships at work.





Make plans to attend the 15th Annual Symposium on Chemical and Pharmaceutical Structure Analysis (CPSA 2012). This unique event is highly interactive. The program features updated perspectives and experiences on chemical and pharmaceutical structure analysis. Imagination and stimulating discussion are central to each CPSA function and session.

Call for Papers – Abstracts due by Sept. 1

Abstracts are being accepted for the 15th Annual CPSA USA Symposium on Chemical and Pharmaceutical Structure Analysis. Please forward abstracts including title and coauthor(s) electronically to Mike Lee at info@milestonedevelopment.com.

- Abstracts must be received by September 1, 2012
- Maximum length is 350 words

Please visit the conference website for more information.

Registration

To register for CPSA USA 2012, please download the registration form from the conference website at www.cpsa-usa.com. Submit by FAX (267-757-0463) or mail directly to Dr. Mike Lee at the address noted below. All fees are in US Dollars.

Conference Registration

Early Registration: Now until June 20, 2012 (Save \$150)
Pre-Registration: June 21 – September 16, 2012 (Save \$120)
On-Site Registration: After September 22, 2011 (Full Registration)

Payment Methods

Check: Make payable to Milestone Development Services
(*Must be drawn on US bank*)

Credit Card: American Express, MasterCard, Visa accepted.

Wire Transfer: Contact info@milestonedevelopment.com for wire transfer instructions.

Cash: Send the completed CPSA USA Registration Form to the CPSA office by fax (+1 267-757-0463) or mail directly to:
Dr. Mike Lee
Attn: CPSA USA
P.O. Box 178,
Newtown, PA 18940-0178, USA

Full payment is due upon conference registration

Hotel Registration

A special CPSA room rate of \$129 per night is available at the Bucks County Sheraton Hotel when you book your room by September 1, 2012. Please call the Sheraton Hotel reservations department directly at 215-547-4100 and mention (code: CPSA/Milestone) to reserve with the CPSA room rate. Visit the Sheraton Bucks County Sheraton Hotel website for more information (www.Sheraton.com/BucksCounty).



CPSA Golf Outing

Makefield Highlands Golf Club, Yardley, PA

The 4th Annual CPSA Open will take place on Monday, October 1st. New this year: Prizes for longest drive and closest to the pin!

Contact Brad Coopersmith (bic@taytech.com), Ken Imitani (ken_imitani@agilent.com) or Paul Corcoran (paul.corcoran@mckscientific.com) for sign-up and more information.

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